

Individual Proposal Report

Title: Selected Fish Screens -- Suisun Marsh (A129)

Geographic Area: Suisun Marsh

Primary Stressor Addressed: Entrainment

Project Type: Implementation

Applicant Type and Name: State. Phil Warner, Department of Fish and Game, (530) 225-2307.

Funding: The applicant has requested \$3.2 million. Of this, \$446,250 was approved from the 1997 Category III funds. It is recommended that the remainder of the proposal, \$2,784,600, be funded.

Cost Share: The applicant will provide \$151,000 worth of labor for its cost share contribution.

Project Description: The applicant has requested funds to install fish screens at a number of locations. The Sacramento River and tributary screens were funded with 1997 Category III monies. It is recommended that the Suisun Marsh screens be funded with 1998 monies. A total of five 36-inch conical screens and four 48-inch conical screens will be installed on nine different diversions. The recommendation for funding also calls for obtaining a boom truck for screen maintenance. CALFED staff will review the need for the truck with DFG before funding.

ERPP Linkage: The proposal meets the goals of the Ecosystem Restoration Program Plan (CALFED, Volume II, 28 July 1997) as it should help to reduce entrainment losses of juvenile fish at agricultural, power plant, and managed wetland diversions by 25 to 50% by installing positive-barrier fish screens on large diversion structures (page 98).

AFRP Linkage: This proposal contributes toward making all reasonable efforts to at least double natural production of anadromous fish as it supports the following action and evaluation listed in the Revised Draft Restoration Plan for the Anadromous Fish Restoration Program (USFWS, 30 May 1997): (1) Implement actions to reduce losses of juvenile anadromous fish resulting from unscreened or inadequately screened diversions in the Sacramento-San Joaquin Delta and Suisun Marsh, if Evaluation 12 determines significant benefits to juvenile anadromous fish can be achieved by screening (Sacramento-San Joaquin Delta Action 15, page 104); and (2) Evaluate the benefits to juvenile anadromous fish of and opportunities for screening diversions and re-locating riparian diversions in the Delta and Suisun Marsh (Sacramento-San Joaquin Delta Evaluation 12, page 106).

Applicant's Proposed Monitoring: Construction will be inspected to make sure screens are built to design specifications and meet agency screen criteria. The mechanical effectiveness and approach and sweeping velocities will be monitored. An appropriate maintenance program will be established. CALFED staff will review and revise the proposed monitoring plan as necessary.